	Application No.	Applicant(s)
Notice of Allowability	09/866,811	YUKITAKE ET AL.
	Examiner	Art Unit
	Richard Lee	2613

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to _the amendment filed August 12, 2005_.

2. ☒ The allowed claim(s) is/are _12 and 13_.

3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☒ All   b) ☐ Some*   c) ☐ None   of the:

      1. ☐ Certified copies of the priority documents have been received.

      2. ☒ Certified copies of the priority documents have been received in Application No. _07/970,046_ .

      3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the

         International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

  (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

     1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.

  (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of

    Paper No./Mail Date _____.

  Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)

6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .

7. ☒ Examiner's Amendment/Comment

8. ☐ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

1.   The applicants are informed that a typographical error exists in the original U.S. Patent

5,745,182. Specifically, Patent No. "4,864,294" as identified for the Gillard reference on the

front page of U.S. Patent 5,745,182 should be Patent No. "4,864,394" instead. The Examiner

has indicated the correction to be made as shown in the attachment. No further action is required

by the applicants.

2.   Any inquiry concerning this communication or earlier communications from the
examiner should be directed to Richard Lee whose telephone number is (571) 272-7333. The
Examiner can normally be reached on Monday to Friday from 8:00 a.m. to 5:30 p.m, with
alternate Fridays off.

Richard Lee/rl

11/3/05

United States Patent [19]

Yukitake et al.

[11] **Patent Number:** 5,745,182

[45] **Date of Patent:** Apr. 28, 1998

[54] **METHOD FOR DETERMINING MOTION COMPENSATION**

[75] Inventors: **Takeshi Yukitake; Shuji Inoue**, both of Yokohama, Japan

[73] Assignee: **Matsushita Electric Industrial Co., Ltd.**, Osaka, Japan

[21] Appl. No.: **278,010**

[22] Filed: **Jul. 20, 1994**

Related U.S. Application Data

[62] Division of Ser. No. 970,046, Nov. 2, 1992, Pat. No. 5,369,449.

[30] **Foreign Application Priority Data**

| Nov. 8, 1991 | [JP] | Japan | 3-293004 |
| Jul. 9, 1992 | [JP] | Japan | 4-181980 |

[51] Int. Cl.^{6} **H04N 7/32**

[52] U.S. Cl. **348/416; 348/699**

[58] Field of Search 348/413, 416, 348/699, 400–402, 407, 409–412, 384, 390, 415; 382/232, 236, 238; H04N 7/137

[56] **References Cited**

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K. Kinuhata, et al, "Universal Digital TV Codec —Unicodec", 7th International Conference on Digital Satellite Communications, May 1986, pp. 281–288.

(List continued on next page.)

Primary Examiner—Richard Lee
Attorney, Agent, or Firm—Watson Cole Stevens Davis, P.L.L.C.

[57] **ABSTRACT**

A method for predicting motion compensation for determining of an input image based on a motion vector of the input image from this input image to a reference image which has been sampled at a first set time, and the method includes calculating a motion vector of the input image based on a move, at a second set time, of a block unit which is a part of the input image and consists of a plurality of pixels, and calculating a motion vector of the reference image based on a move, at the first set time, of a block unit which is a part of the reference image and consists of a plurality of pixels. Move compensation of the input image is calculated both from the motion vector of the input image and from the motion vector of the reference image, to thereby realize a method for determining motion compensation with high precision.

3 Claims, 6 Drawing Sheets